

Figure 1

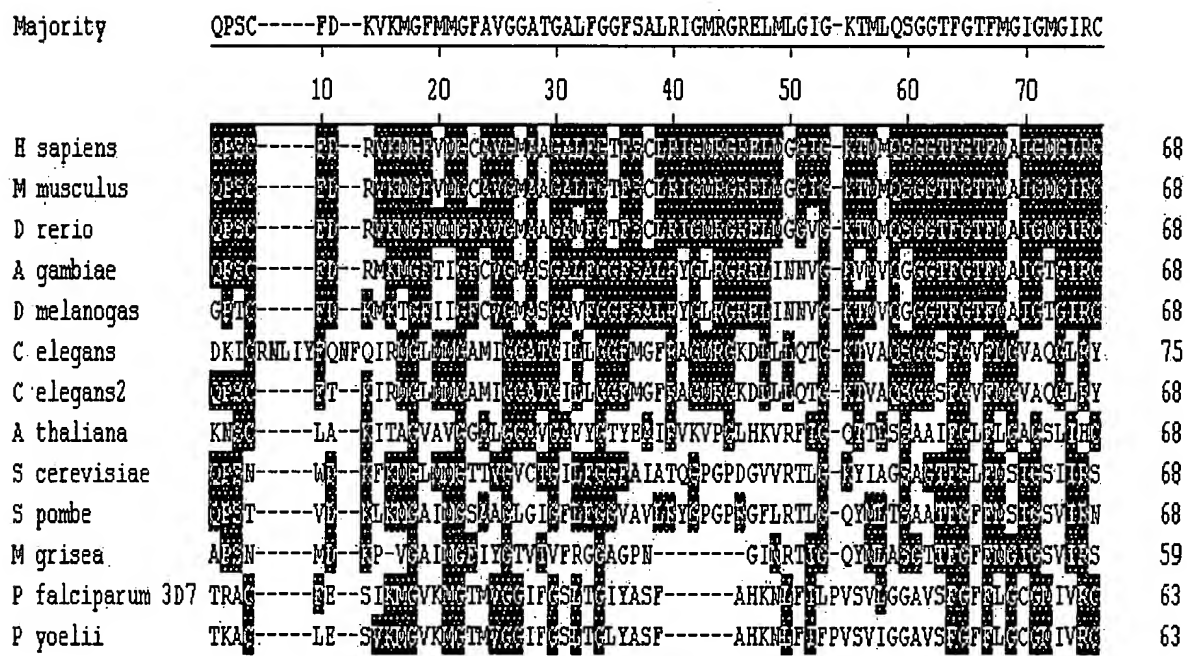


Figure 2

Percent Identity													
	1	2	3	4	5	6	7	8	9	10	11	12	13
1		100.0	94.7	76.3	71.1	55.3	42.1	50.0	51.3	40.8	35.5	35.5	42.1
2	0.0		94.7	76.3	71.1	55.3	42.1	50.0	51.3	40.8	35.5	35.5	42.1
3	6.1	6.1		77.6	73.7	55.3	42.1	50.0	50.0	39.5	32.9	32.9	42.1
4	32.7	32.7	30.4		90.8	51.3	38.2	48.7	50.0	35.5	32.9	31.6	38.2
5	42.2	42.2	37.3	11.1		48.7	36.8	44.7	47.4	38.2	30.3	28.9	39.5
6	78.9	78.9	78.9	92.5	102.0		84.2	48.7	40.8	36.8	38.2	35.5	36.8
7	92.5	92.5	92.5	107.1	112.6	7.8		34.2	26.3	25.0	28.9	27.6	23.7
8	97.1	97.1	97.1	102.0	118.4	102.0	124.6		63.2	35.5	35.5	35.5	44.7
9	92.5	92.5	97.1	97.1	107.1	138.4	174.0	59.0		39.5	32.9	31.6	51.3
10	138.4	138.4	146.1	174.0	154.5	163.8	185.4	174.0	146.1		39.5	38.2	34.2
11	146.6	146.6	166.3	166.3	191.1	130.3	130.3	146.6	166.3	123.2		92.1	30.3
12	146.6	146.6	166.3	177.9	202.0	146.6	138.1	146.6	177.9	130.3	10.2		28.9
13	108.9	108.9	108.9	129.8	122.3	138.0	167.8	97.3	73.3	156.8	194.2	207.0	
	1	2	3	4	5	6	7	8	9	10	11	12	13

Divergence

Homo sapiens  
Mus musculus  
Danio rerio  
Anopheles gambiae  
Drosophila melanogaster  
Caenorhabditis elegans  
Caenorhabditis elegans  
Saccharomyces cerevisiae\_AAB68201 113 1  
Schizosaccharomyces pombe\_CAB89006 120  
Arabidopsis thaliana\_NP\_566324 74 3-70  
Plasmodium falciparum 3D7\_NP\_705421 168  
Plasmodium yoelii yoelii\_EAA17587 168 1  
Magnaporthe grisea 70-15\_EAA47634 107 1

Figure 3

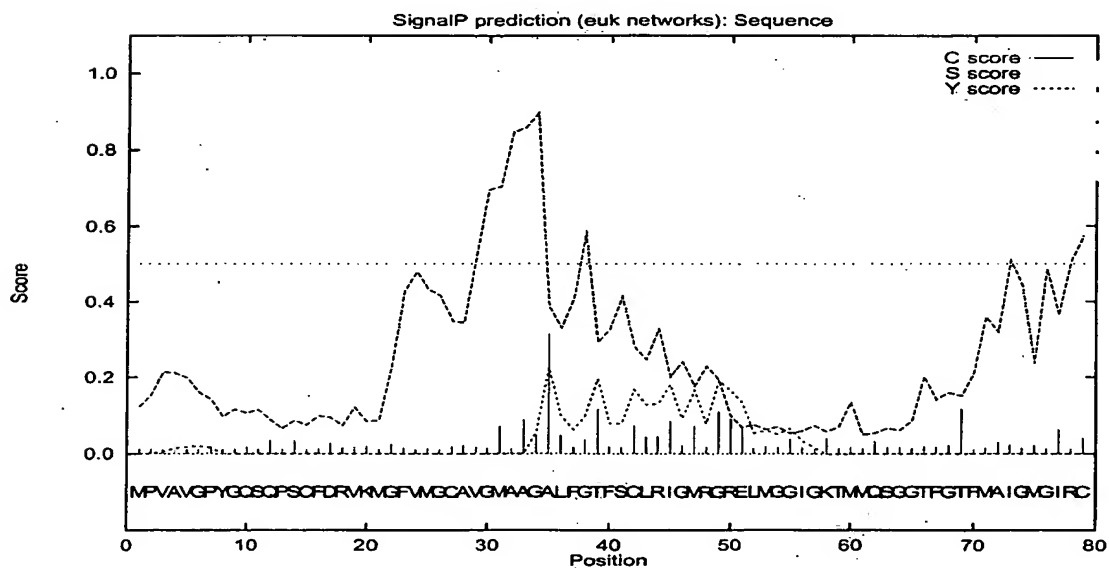


Figure 4

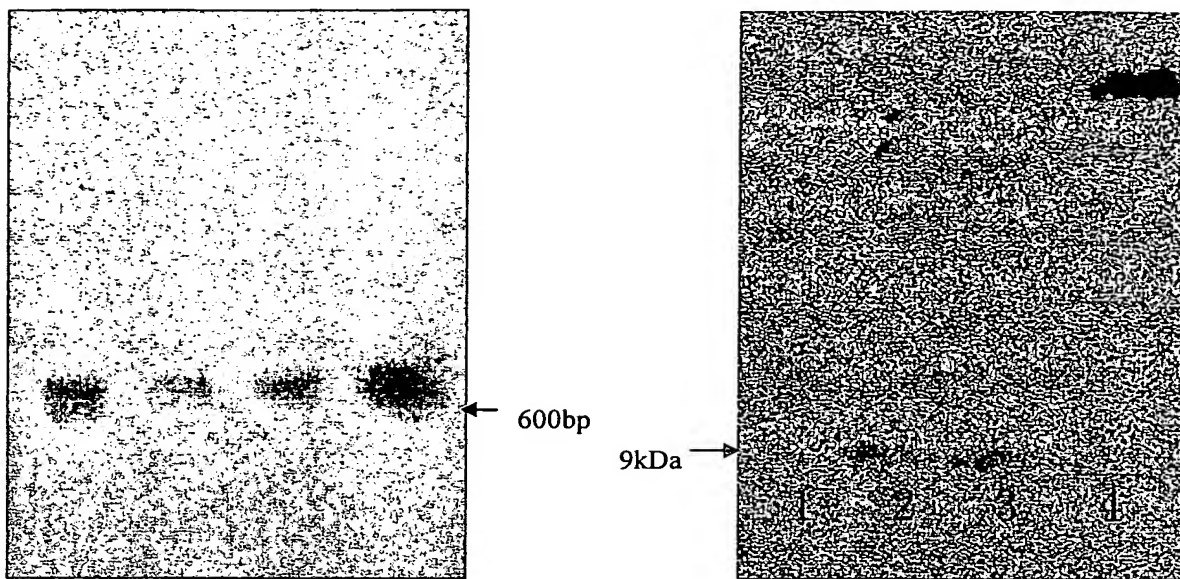


Figure 5A

Figure 5B

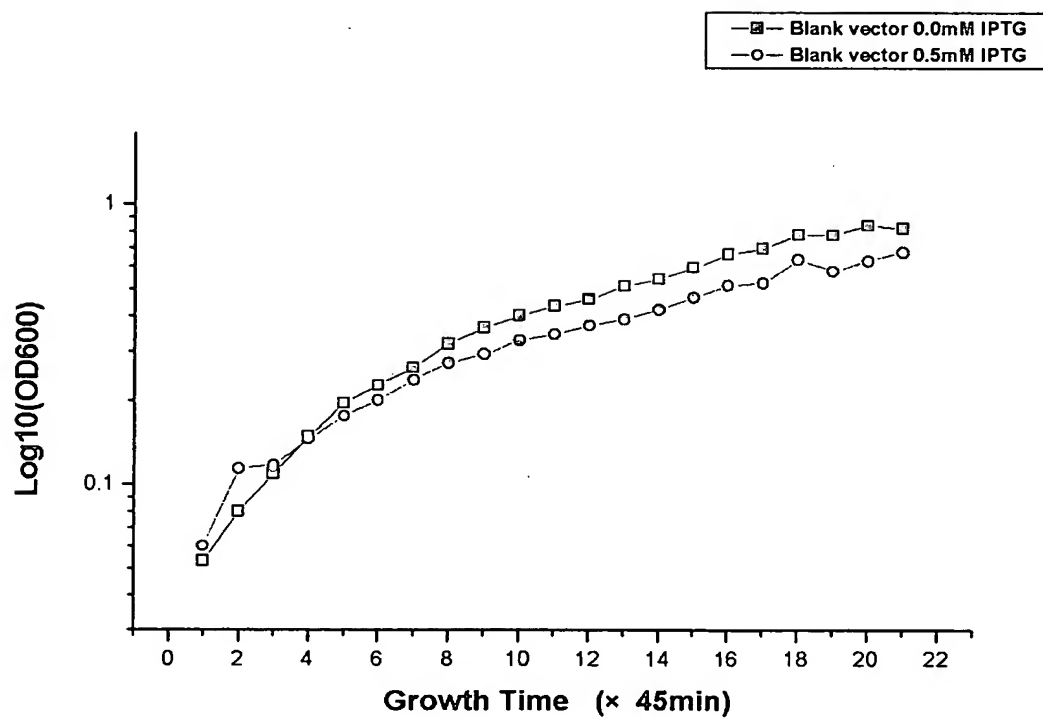


Figure 6A

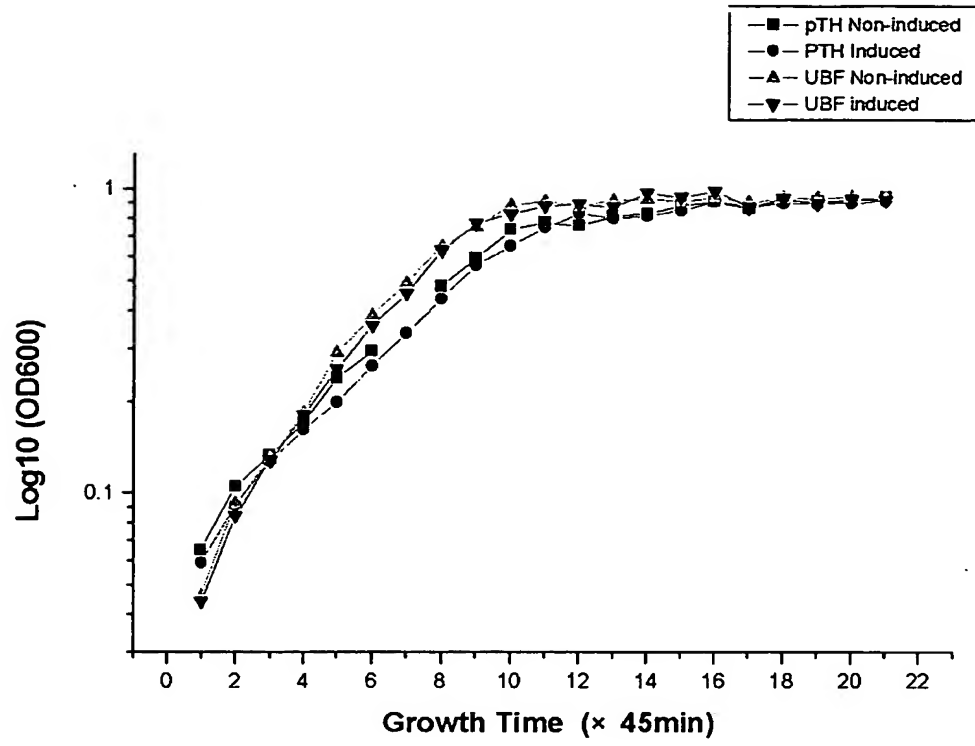


Figure 6B

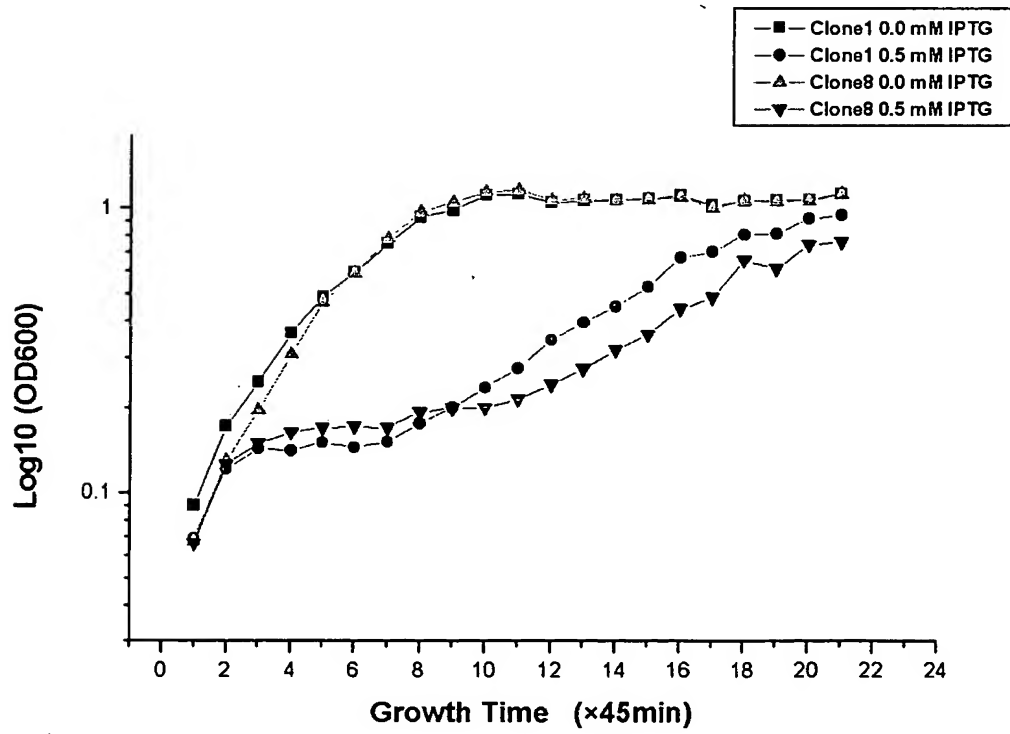


Figure 6C

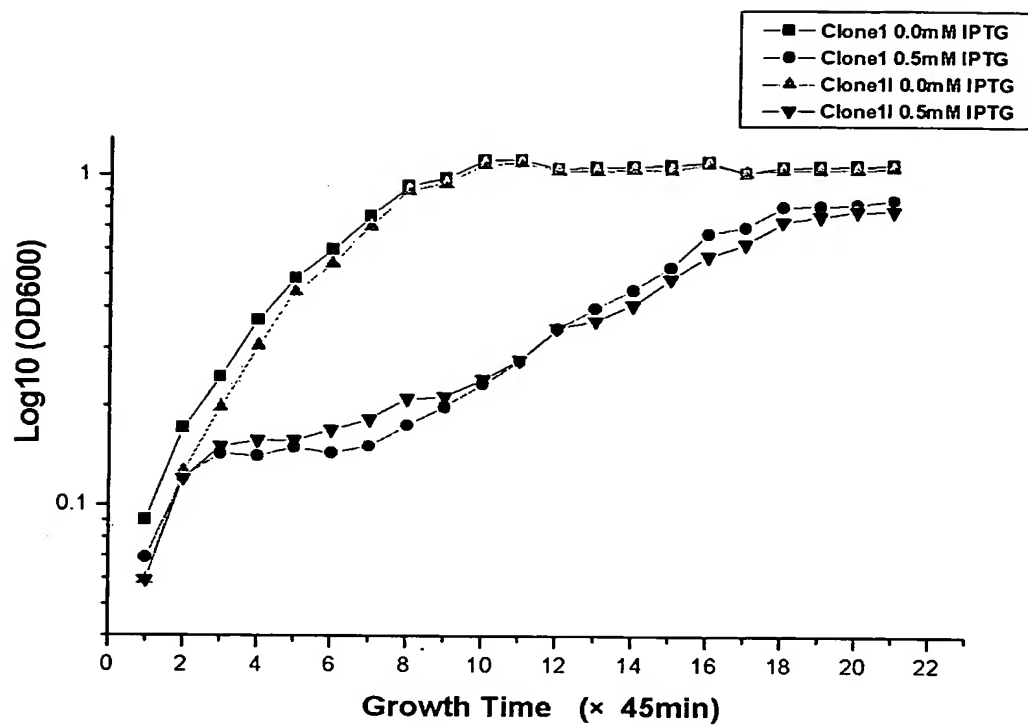


Figure 6D

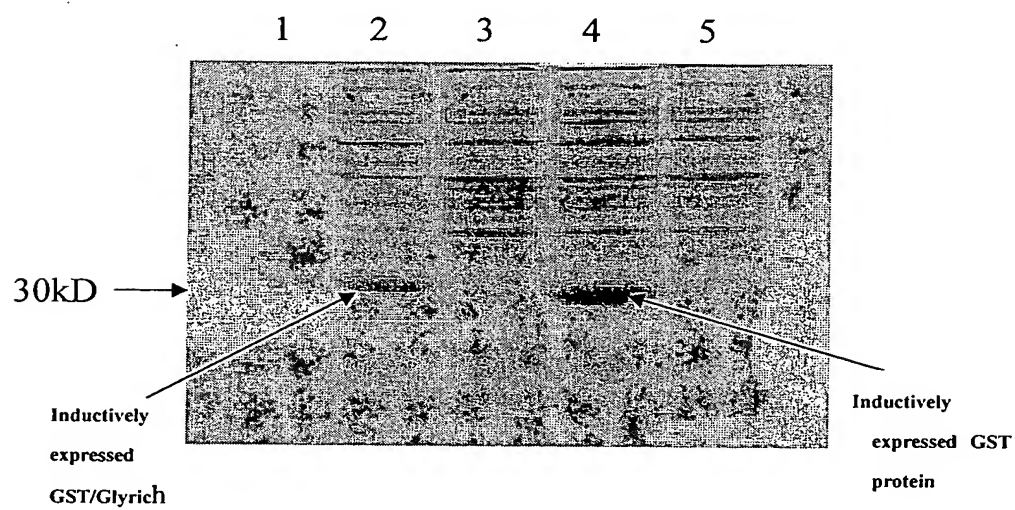


Figure 7

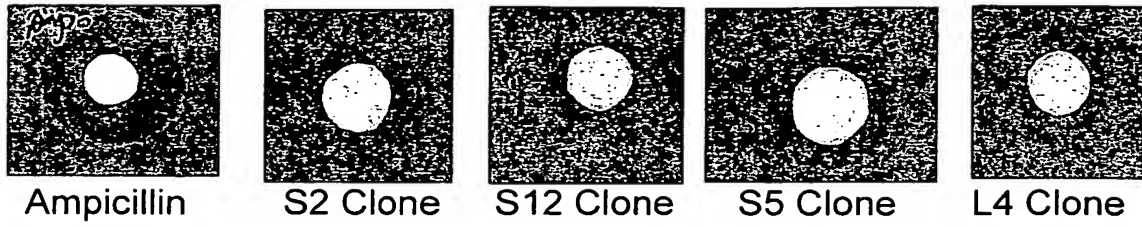


Figure 8

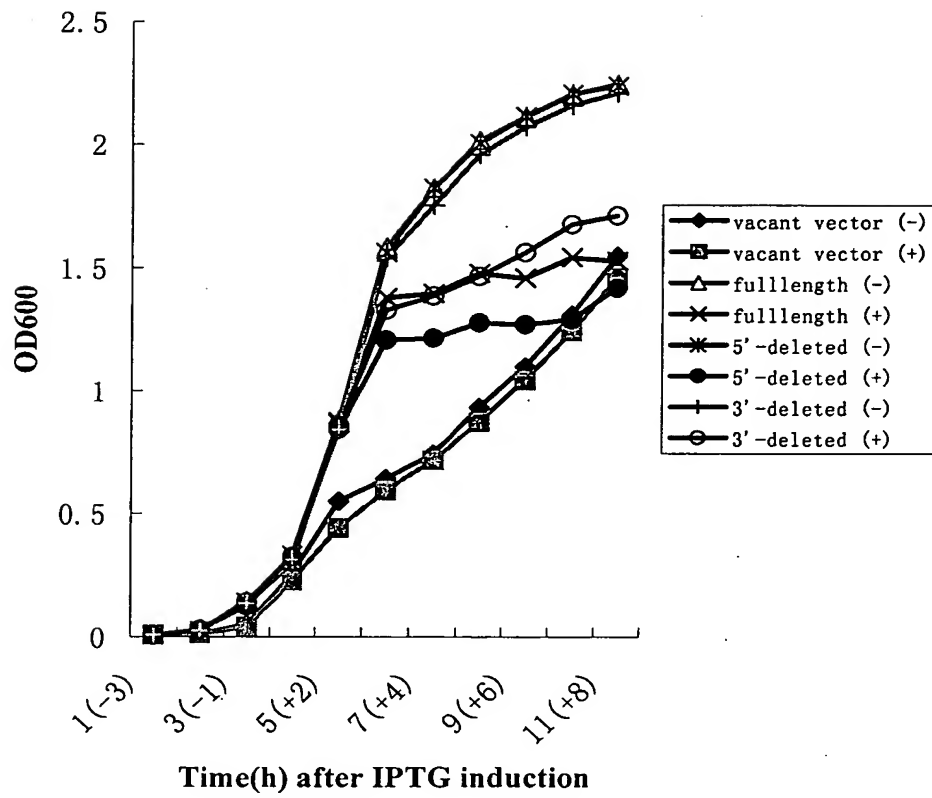


Figure 9

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